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FROM: Mark DeLuca	TIMEKEEPER NO.: 2299
SENDER'S PHONE: 215.665.5592	SENDER'S FAX: 215.701.2027
# OF PAGES (INCLUDING COVER): 15	FILE NAME: PANA0001-100
DATE: June 9, 2006	FILE #: 133955

RECIPIENT(S)	PHONE	FAX
Examiner Scott David Priebe USPTO, GAU 1633	571.272.0733	571.273.8300

MESSAGE:

PLEASE DELIVER TO EXAMINER SCOTT DAVID PRIEBE, GAU 1633

RE: U.S. APPLICATION NO. 09/753,892 - FILING DATE: January 3, 2001

ENCLOSED FOR FILING, PLEASE FIND:

- Transmittal Form (1 page)
- Fee Transmittal w/auth to Charge Deposit Acct.in duplicate (2 pages)
- Amendment(11 pages)

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Approved for use through 07/31/2006. OMB 0851-0031

Approved for use through 07/31/2020. GPO: 2017-030
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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/753,892	
	Filing Date	January 3, 2001	
	First Named Inventor	Leonid Yakubov	
	Art Unit	1633	
	Examiner Name	Scott David Priebe	
Total Number of Pages in This Submission		Attorney Docket Number	PANA0001-100

ENCLOSURES (check all that apply)

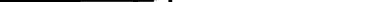
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
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<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm	Cozen O'Connor		
Signature			
Printed Name	Mark DeLuca		
Date	June 9, 2006	Reg. No.	33,228

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

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Typed or printed name	Mark DeLuca	Date	June 9, 2006

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Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL for FY 2006

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 0)

Complete if Known

Application Number	09/753,892	RECEIVED CENTRAL FAX CENTER JUN 9 2006
Filing Date	January 3, 2001	
First Named Inventor	Leonid Yakubov	
Examiner Name	Scott David Priebe	
Art Unit	1633	
Attorney Docket No.	PANA0001-100	

METHOD OF PAYMENT (check all that apply)

 Check Credit Card Money Order None Other (please identify) : Deposit Account Deposit Account Number: 50-1275 Deposit Account Name: Cozen O'Connor

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

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Under 37 CFR 1.16 and 1.17

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FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity	Fee (\$)	Small Entity	Fee (\$)	Small Entity	
Utility	300	150	500	250	200	100	—
Design	200	100	100	50	130	65	—
Plant	200	100	300	150	160	80	—
Reissue	300	150	500	250	600	300	—
Provisional	200	100	0	0	0	0	—

2. EXCESS CLAIM FEES

Fee Description

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

Total Claims

	Extra Claims	Fee (\$)	Fee Paid (\$)
24	-20 or HP (39) =	0 x 0	= 0

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims

	Extra Claims	Fee (\$)	Fee Paid (\$)
3	- 3 or HP (3) =	0 x 0	= 0

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer

listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

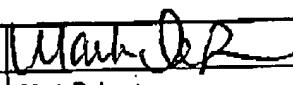
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x	= 0	Fees Paid (\$)

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge) :

SUBMITTED BY

Signature		Registration No. (Attorney/Agent)	33,229	Telephone	215-666-5582
Name (Print/Type)	Mark DeLuca			Date	June 9, 2006

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-767-9199) and select option 2.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL for FY 2006

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 0)

Complete if Known

Application Number	09/753,892	RECEIVED CENTRAL FAX CENTER JUN 9 2006
Filing Date	January 3, 2001	
First Named Inventor	Leonid Yakubov	
Examiner Name	Scott David Priebe	
Art Unit	1633	
Attorney Docket No.	PANA0001-100	

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order Nonc Other (please identify) : _____

Deposit Account Deposit Account Number: 50-1275 Deposit Account Name: Cozen O'Connor

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

<input type="checkbox"/> Charge fee(s) indicated below	<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee
<input checked="" type="checkbox"/> Charge any additional fee(s) or underpayments of fee(s) Under 37 CFR 1.16 and 1.17	<input checked="" type="checkbox"/> Credit any overpayments

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FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

<u>Application Type</u>	<u>FILING FEES</u>		<u>SEARCH FEES</u>		<u>EXAMINATION FEES</u>		
	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Fees Paid (\$)</u>
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____

2. EXCESS CLAIM FEESFee Description

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

<u>Total Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Fee (\$)</u>
	24 - 20 or HP (39) =	0 x 0	= 0	50	25	

HP = highest number of total claims paid for, if greater than 20.

<u>Indep. Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>	<u>Multiple Dependent Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
	3 - 3 or HP (3) =	0 x 0	= 0	360	180	

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

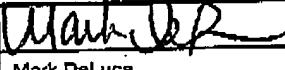
<u>Total Sheets</u>	<u>Extra Sheets</u>	<u>Number of each additional 50 or fraction thereof</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
_____	- 100 = _____	/ 50 = _____ (round up to a whole number) x _____ = 0	0	0

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): _____

SUBMITTED BY

Signature		Registration No. (Attorney/Agent)	33,229	Telephone	215-665-5592
Name (Print/Type)	Mark DeLuca			Date	June 9, 2006

This collection of information is required by 37 CFR 1.138. The information is required to obtain or retain a benefit by the public which is to be (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PANA0001-100 (formerly PANA-0002)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Leonid A. Yakubov

Serial No.: 09/753,892

Group Art Unit: 1633

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JUN 09 2006

Filed: January 3, 2001

Examiner: Scott David Priebe

Title: COMPOSITIONS COMPRISING GENOME SEGMENTS AND
METHODS OF USING THE SAME

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On June 9, 2006



Mark DeLuca, Regis. No. 33,229

AMENDMENT

Mail Stop: Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

This amendment is being filed in response to the Office Action dated March 9, 2006. Please amend the above-referenced application as follows and consider the following remarks:

Amendments to the Claims are reflecting the listing of the claims which begins on page 2 of this paper.

Remarks begin on page 7 of this paper.